

HOOVER PROGRESS REPORT

PERMIT C311 040004065

US EPA RECORDS CENTER REGION 5



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In the past year, the water discharge has been influenced by many factors that have resulted in improved water quality and reduced water discharge. The reduced discharge is attributed to removal and elimination of various processes, a water conservation program, and a reduction in production. The quality improvement is noticable in the concentration reduction of copper and nickel from the monitoring analysis. The water quality has been consistently satisfactory in most of the monitored concentrations to warrant a request for final compliance. This will be forthcoming as soon as the program for improvement of the suspended solids level is completed.

The various items that have contributed to a more reliable compliance of the permit are shown below.

Monitoring and pH Control Equipment Installation

Equipment which has been purchased and installed for either monitoring or treatment of waste water are:

1. 24 hour composit sampling equipment
2. Continuous pH monitoring equipment
3. Acid dispensing equipment for pH correction of water discharge.

Process Elimination or Relocation

A copper etching process is being eliminated and has resulted in a reduction of copper in the water discharge. The aluminum anodizing process has been relocated to the Industrial Park Plant. The reduction of aluminum hydroxide in the waste water is suspected of having adverse affects on the

suspended solids. Both of these processes have contributed to the reduction in the quantity of waste water.

Nickel Recovery And Chrome Reduction

An additional tank has been installed for nickel recovery within the plating complex. A noticeable reduction in the nickel concentration has occurred. A chrome capture tank has been purchased and is being installed to provide additional chrome capture capability of rinse water. The chrome solution is reduced to trivalent chrome before released to the treatment ponds.

Chrome Retention

Tanks containing chrome solutions are being provided with retention enclosures that will assure retention of spills, overflows and tank leaks.

Active Programs

A program is presently active to reduce the suspended solids. An attempt is being made to identify the source and provide treatment at the source that will assist in settling the solids.

Another program to establish a rapid treatment procedure for low pH condition is being provided.

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